

# SYSTEM AND METHOD TO DETERMINE THE TIME DOMAIN EQUALIZED SIGNAL-TO-NOISE RATIO OF A MASS STORAGE DEVICE

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## ABSTRACT OF THE DISCLOSURE

Systems and methods are provided through which a time domain equalized  
signal-to-noise-ratio (ESNR) of an electronic device is determined by executing ESNR  
determining firmware in the electronic device. The ESNR is used to perform  
rejection/acceptance testing of the electronic device during manufacturing of the device,  
10 and/or to perform read channel tuning and optimization. In one embodiment,  
determination of the ESNR includes both phase level retry and global level retry.

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